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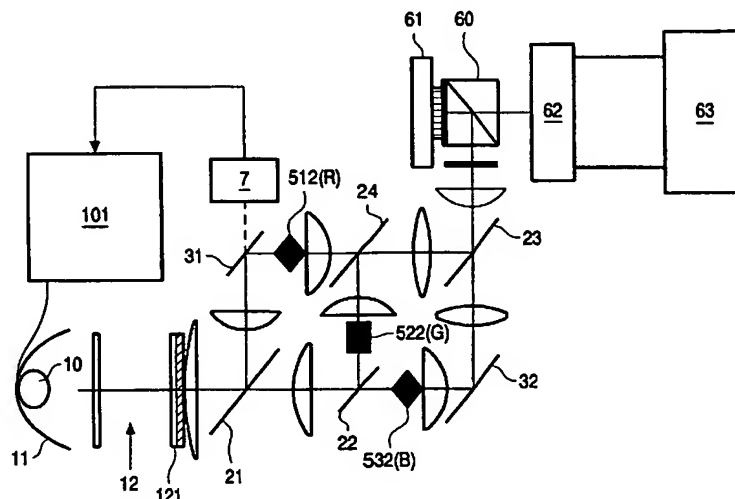
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(54) Title: IMAGE PROJECTOR WITH INTENSITY-CONTROLLED LIGHT SOURCE



(57) Abstract: The invention relates to a projection system for image representation, with a display (61), at least one lamp (10), and at least one sensor (7) for generating a sensor signal for monitoring and compensating changes in the luminous flux provided by the at least one lamp (10). To achieve a monitoring of the light quantity actually incident on the display (61) which is as accurate and as interference-free as possible, an optical component (31) is arranged in a light path between the lamp (10) and the display (61), which component allows a first light component to pass through and reflects a second light component such that one of the light components is directed at the display (61) and the other light component is directed at the sensor (7) arranged outside the light path. A sensor signal generated in this manner renders it possible to compensate for fluctuations in the luminous flux provided by the lamp (10) through the control of a lamp driver (101) in an effective manner and practically without light losses and without being influenced by the brightness fluctuations generated by a color modulator or other components of the system.

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 04, 31 August 2000 (2000-08-31) -& JP 2000 028988 A (TOSHIBA CORP), 28 January 2000 (2000-01-28)	1-5
Y	abstract	6
Y	US 5 548 347 A (JANSSEN PETER J ET AL) 20 August 1996 (1996-08-20) column 11, line 27 -column 12, line 19; figure 16	6

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